

AMENDMENT TO THE CLAIMS

1. ~~(Currently Amended)~~ ~~In a large-area radiator with a front~~
pane and a rear element, wherein spacer elements extending from the front pane to the rear element keep the front pane apart from the rear element, a gaseous filler is introduced into a space between the front pane and the rear element and is at a lesser pressure than a pressure of a surrounding atmosphere, and the front pane is made of a glass material, the improvement comprising:

at least one of the front pane and the rear element at least partially of one of a thermally tempered glass pane and a chemically tempered glass pane.

2. (Previously Presented) In the large-area radiator in accordance with claim 1, wherein a temperature at which a viscosity of the glass material of at least one of the front pane and the rear element is 13.6 dPas (TG temperature) is greater than 550°C.

3. (Previously Presented) In the large-area radiator in accordance with claim 2, wherein at least one of a measurement of a wall thickness of at least one of the front pane and the back element is 1.5 mm to 2.1 mm, and a thermal tempering is greater than or equal to 60 Mpa.

4. (Previously Presented) In the large-area radiator in accordance with claim 1, wherein at least one of a measurement of a wall thickness of at least one of the front pane and the back element is greater than 0.5 mm, and is tempered by a chemical tempering of more than 160 MPa.

5. (Currently Amended) In a large-area radiator with a front pane and a rear element, wherein spacer elements extending from the front pane to the rear element keep the front pane apart from the rear element, a gaseous filler is introduced into a space between the front pane and the rear element and is at a lesser pressure than a pressure of a surrounding atmosphere, and the front pane is made of a glass material, the improvement comprising:

at least one of the front pane and the rear element each embodied as a glass pane which at least partially has a coating of a ductile polymer material.

6. (Currently Amended) In the large-area radiator in accordance with claim 5, wherein the coating is a film including one of a silicon, a polyurethane and a polymer material, selected from a group of ormoceres.

7. (Previously Presented) In the large-area radiator in accordance with claim 6, wherein the coating has a thickness of more than 6 μm .

8. (Previously Presented) In the large-area radiator in accordance with claim 7, wherein the thickness of the coating is within a range of 6 μm and 50 μm .

9. (Previously Presented) In the large-area structure in accordance with claim 8, wherein a primer is used for bonding the coating to a surface of the glass pane, and the primer is one of a dimethoxydimethyl silane and a hexamethyl disilazane.

10. (Previously Presented) In the large-area radiator in accordance with claim 9, wherein the glass pane is at least partially tempered one of thermally and chemically.

11. (Previously Presented) In the large-area radiator in accordance with claim 10, wherein the spacer elements are wavy and are arranged

between the front pane and the rear element, wherein a wavy line extends generally parallel with a planar extension of the front pane.

12. (Previously Presented) In the large-area radiator in accordance with claim 5, wherein the coating has a thickness of more than 6 μm .

13. (Previously Presented) In the large-area structure in accordance with claim 5, wherein a primer is used for bonding the coating to a surface of the glass pane, and the primer is one of a dimethoxydimethyl silane and a hexamethyl disilazane.

14. (Previously Presented) In the large-area radiator in accordance with claim 5, wherein the glass pane is at least partially tempered one of thermally and chemically.

15. (Previously Presented) In the large-area radiator in accordance with claim 1, wherein the spacer elements are wavy and are arranged between the front pane and the rear element, wherein a wavy line extends generally parallel with a planar extension of the front pane.

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16. (Previously Presented) In the large-area radiator in accordance with claim 1, wherein at least one of a measurement of a wall thickness of at least one of the front pane and the back element is 1.5 mm to 2.1 mm, and a thermal tempering is greater than or equal to 60 Mpa.

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AMENDMENT TO THE DRAWINGS

~~The attached drawing sheet includes changes to FIG. 1. This sheet,~~
which includes only FIG. 1, replaces the original sheet including only FIG. 1. In FIG.
1, the legend "Prior Art" has been added.